

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by:
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GENERAL INFORMATION

Name:	Flexcel-Fordsville
Address:	P.O. Box 207, 16968 State Route 69; Fordsville, KY 42343
Date application received:	January 31, 2002
SIC/Source description:	2521, Wood Office Furniture
Permit #:	V-06-011
ID #:	21-183-00039
Activity ID #:	APE20020001
AI #:	3300

APPLICATION TYPE/PERMIT ACTIVITY

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
___ Administrative	<input checked="" type="checkbox"/> Title V
___ Minor	<input checked="" type="checkbox"/> Synthetic minor
___ Significant	<input type="checkbox"/> Construction/operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Operating

COMPLIANCE SUMMARY

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052,1(14)(b)	

MISCELLANEOUS

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application

Description:

Flexcel-Fordsville is a wooden furniture manufacturing plant, located in Fordsville, Kentucky. This operation involves woodworking, assembly, and application of various finishes to the wood. The woodworking portion of the operation is tied to a dust collection system, which operates above 99% efficiency, resulting in a very small amount of particulate emissions. Finish materials contain the bulk of pollutants for this source in the form of volatile organic compounds (VOC's). Each spray booth is equipped with a water curtain or a filter that controls particulate emissions due to overspray.

This application is for a renewal of the Title V/Synthetic Minor operating permit, V-97-007, issued in August 1997. The Title V/Synthetic Minor permit limits VOC emissions to 249 tons per year for emission point 24(finish line #1), 249 tons per year for emission point 26(finish line #2), and 37.5 tons per year for emission point 25(finish line #3). The company has complied with these limits in order to avoid applicability of 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality (PSD).

Emissions Summary:

Pollutant	Actual (tpy)	Allowable (tpy)	Potential (tpy)
PM/PM ₁₀	5.93**	NA	8.44
Finish Line #1 (EP #24) VOC	82.43*	249.0	199.95
Finish Line #2 (EP #26) VOC	100.65*	249.0	174.79
Finish Line #3 (EP #25) VOC	18.79*	37.5	30.9
Total VOC	201.87*	NA	405.64
SO ₂	0.0082**	NA	0.184
NO _x	1.37**	NA	5.53
CO	1.15**	NA	4.64
LEAD	NA	NA	NA
CAS # 1330-20-7 Xylene	5.77*	9.0	12.65
Total HAPs	24.80*	22.5	26.76

*Actual emissions calculated using the required monthly usage reports (September 2004).

**Actual emissions from 2004 KYEIS.

Applicable Regulations:

40 CFR 63 National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart JJ, National Emission Standards for Wood Furniture Manufacturing Operations, applies to each affected facility that is engaged in the manufacture of wood furniture or wood furniture components and that is located at a plant site that is a major source as defined in 40 CFR part 63, subpart A, §63.2. All materials used by the source are compliant with the NESHAP guidelines.

401 KAR 50:012, General Application of Administrative Regulations and Standards.

401 KAR 59:010, New Process Operations, applies to each affected facility commenced on or after July 2, 1975, with respect to particulate emissions, specifically finish lines #1 and #2.

401 KAR 61:020, Existing Process Operations, applies to each affected facility commenced before July 2, 1975, with respect to particulate emissions, specifically finish line #3.

401 KAR 63:020, Potentially Hazardous Matter or Toxic Substances, applies to each affected facility that emits or may emit potentially hazardous matter or toxic substances.

401 KAR 59:015, New Indirect Heat Exchangers, applies to each affected facility, commenced on or after April 9, 1972, with a capacity of 250 million BTU per hour heat input or less with respect to particulate and sulfur dioxide emissions, specifically emission point 20 and 21, which are the boilers that are used for heating, and emission points 4A, 6A, 7A, 9A, and 36, which are the drying ovens.